

CLAIMS

1. Filter arrangement comprising a filter chassis (21,41) and including a filter cover (22,42) for electrical and mechanical shielding of said filter,

5 characterised in

the filter cover (22,42) consisting of a printed circuit board of electrically interconnected layers (45) for applying an electrical pattern structure and for providing a common ground (41) for said printed circuit board and said 10 filter chassis,

coupling means (213,413) for simultaneous mounting and electrically interconnecting said filter chassis (21,41) and one or more circuit boards.

2. The filter arrangement according to claim 1, whereby the 15 coupling means (213,413) are pegs.

3. The filter arrangement according to claim 2, whereby said pegs (213,413) are separate objects that are mounted in the cavity bottom.

4. The filter arrangement according to claim 2, whereby the 20 coupling objects are pegs that are mounted in the filter cover.

5. The filter arrangement according to claim 1, whereby the filter chassis (21,41) and printed circuit boards (22,42) are contacted by an inductive coupling.

25 6. The filter arrangement according to claim 1, whereby the filter chassis (21,41) and printed circuit boards (22,42) are contacted by a capacitive coupling.

7. The filter arrangement according to one of the preceding claims, whereby said circuit boards (42,44) are shielded by 30 help of a shielding cover (43).

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8. The filter arrangement according to claim 8, whereby a shielding cover (43) consists of a framework with crossbars (431) for shielding of certain functions on one of the circuit boards (42, 44).

5 9. The filter arrangement according to claim 9, whereby the circuit boards (42, 44) are arranged in such a way that the electrical components on each two boards are directed towards each other and whereby the intermediate shielding cover (43) consist of two crossbar sections for shielding of
10 functions on each of said two boards.

10. The filter arrangement according to one claims 1-10, whereby an outer shielding cover (45) provides an outer mechanical protection for the circuit boards (42, 44).

11. A method for manufacturing a filter arrangement according to one of claims 1-10, characterised in that units that are included in said arrangement are mounted on each other from one and the same side.
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